GE Healthcare

Education Services

Diagnostic ECG

Technical Education

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Network Infrastructure and Protocols Training

15 Essentials of Healthcare IT +
16 Securing the Healthcare IT Environment +
17 Wireless in the Healthcare IT Environment +
18 Essentials of HL7*
19 Essentials of DICOM*

technical service training tailored to fit *your* needs!

about technical education from GE Healthcare

GE Healthcare Education Services delivers technical education for Diagnostic Imaging, Computed Tomography, Magnetic Resonance, Mammography, Nuclear Medicine/PET, Ultrasound, Monitoring, Diagnostic Cardiology, Infant Care and Anesthesia Delivery Systems and Respiratory products. We also offer a curriculum of Network Infrastructure and Protocols Training classes focused specifically on the needs of today's biomedical and technical professionals.

our goal

To be recognized as the global leader in healthcare education solutions.

- Building customer knowledge and competencies through a diverse educational portfolio in an increasingly complex healthcare environment.
- Striving to exceed customer expectations by delivering exceptional quality education that is clinically relevant and has a measurable impact on practice.
- Be a provider of choice for Network Infrastructure and Protocols Training education regardless of medical equipment choices, previous learning or experience.

registration instructions

Registration is online.
Go to www.gehealthcare.com/training and choose the appropriate category for course schedules and registration link. Select your course and complete all information. Print a copy for your files before submitting. When done, click on Save and Submit to send registration form to a Training Coordinator.

for product technical - devices courses only:
Patient Monitoring and Diagnostic Cardiology, Life Support Solutions and Ultrasound. Please print the Technical – Devices Agreement & Employment Verification Form.

for healthcare IT courses only:
Essentials of Healthcare IT, Wireless in the Healthcare Environment, Securing the Healthcare IT Environment, Essentials of DICOM®, Essentials of HL7®. Please print the Non-Disclosure Agreement & Employment Verification Form.

confirmation of enrollment is sent automatically via email.

customer requirements:

If you are attending one of the classes listed below, please bring a laptop with you to access the electronic service manual during the course. The service manual is going to assist you in the class.

If you are unable to bring a laptop, please bring your service manual to class.

- Apex* Pro CH
- Apex Pro FH
- Carescape* B650
- Carescape B850
- Carescape B650/B850 Classes
- Clinical Information Center
- Clinical Information Center v5
- Case*/Cardiosoft*
- Dash* Series
- Enterprise Access with FH
- Enterprise Access with CH
- Image Vault*
- Integrated Patient Monitoring
- LOGIQ* i/e
- LOGIQ E9
- LOGIQ P3
- LOGIQ P5/P6
- LOGIQ S8
- MUSE* 5D/5E
- MUSE 7
- Mars* PC
- Mars v8
- Solar* 9500
- Solar Series
- Vivid* E9
- Vivid q/i
- Voluson* E8/E6
- Voluson I
- Voluson S8/S6

Laptop requirements: PC based (Non Mac) Windows XP Pro or Windows 7; Local Administrator access; Wireless network card (Optional for Internet Access); Wired Network card; DB 9 Serial port; CD ROM drive; Ability to disable any and all spy ware and virus scan programs; HyperTerminal or other terminal emulation software; USB Port; AC Power Cord; Internet Explorer 8 or greater; Adobe Reader 6.0 or greater; Latest Flash Plug in; Windows Media Player 10 or greater

Note: At the present time, laptops are not a requirement for any of the anesthesia training classes.

policies and terms

attendance

- Students are required to arrive on time for class.
- Class start and end times vary. Please refer to your e-mail enrollment notification.
- For no-shows (i.e, registered students who do not attend the class but do not cancel in advance of the class start date), there is a no-show fee of full course tuition.
- Students must pass an assessment to receive certificate of successful completion.

low enrollment

GE Healthcare reserves the right to cancel classes due to low enrollment. Classes with low enrollment 15 business days prior to the scheduled date will be cancelled. Please consider this when booking your travel.

When GE Healthcare cancels a class, tuition will be refunded in full. Alternatively, tuition may be applied to the cost of another class scheduled to take place within 12 months of the original class.

GE Healthcare will not be held responsible for any travel costs incurred due to circumstances beyond our control, such as, but not limited to, hurricanes, tornados, or labor strikes.

cancellations

- Cancellations can be made by email or phone: edservices@ge.com or by contacting 888-799-9921.
- For cancellations made more than 3 weeks prior to the class start date, there is no cancellation fee.
- For cancellations made 7-15 business days prior to the class start date, there is a cancellation fee of 25% of course tuition. For cancellations made 1-6 business days prior to the class start date, there is a cancellation fee of 50% of course tuition.
- For no-shows (i.e, registered students who do not attend the class but do not cancel in advance of the class start date), there is a no-show fee of full course tuition.
- GE reserves the right to cancel or reschedule any class for any reason and at any time. GE will not be held responsible for any travel costs incurred due to causes beyond our control, such as, but not limited to, hurricanes, tornados, or strikes.

order expiration

Diagnostic Imaging Courses -
Training expires 24 months after order date.

Devices, Healthcare IT, and Ultrasound Courses -
Training expires 18 months after order date.

use of media & recording devices

The Healthcare Institute's (HCI) policies prohibit the use of any unauthorized personal removable media and recording devices in any courses, classrooms, and labs without the express consent of GE Healthcare. This includes, but is not limited to the following:

- Cell phones
- Still Cameras
- Video or audio recording devices
- Any external hard drives (Network or other)
- Any form of memory cards including, but not limited to; CompactFlash card, Secure Digital card (SD card), or Memory Stick
- Any other flash read/write media
- Any other USB read/write media

GE health and safety policy

GE Healthcare requires students to wear closed-toe and closed-heel shoes while attending training. Safety toe-shoes are required, but steel-toe shoe covers are available in the classroom. MR courses require composite toe safety shoes. Open-toe, high-heel shoes or sandals are not permitted.

education centers

waukesha, wi

The Healthcare Institute has expanded to include classrooms to support anesthesia classes and our new Network Infrastructure and Protocols Training curriculum.

jupiter, fl

Our center of excellence for patient monitoring product support now includes new classrooms featuring our new Network Infrastructure and Protocols Training curriculum and many GE product training classes.

remote locations

Periodically, we take classes to strategic locations for added customer convenience. Check our website for the most current list of classes www.gehealthcare.com/training.

hosting a class

If you have a group to train, consider hosting a class at your facility. Our instructors can bring a number of our courses to you for maximum flexibility and convenience. You eliminate travel expense and have the advantage of training multiple staff at the same time, which can reinforce learning.

pre-requisites

Many classes contain lecture and lab exercises requiring networking skills. The fundamentals of networking are not covered in products classes.

The following IT skills are required prior to enrollment*:

- IP addressing
- switch troubleshooting
- troubleshooting wireless
- networks
- subnetting
- router configuration
- network connectivity
- hard drives
- access control paths
- communication paths
- hardware replacement
- router troubleshooting
- network troubleshooting
- hubs
- POST
- back-up systems
- switch port configurations
- access point configuration

* courses requiring healthcare IT competency are identified on the course description page

accepted demonstration of healthcare IT competency:

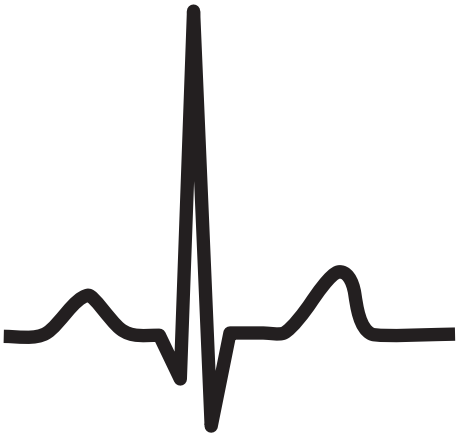
- CompTIA Network+®, Microsoft MCP®, or Cisco CCNA® certification
- Essentials of Healthcare IT℠
- Participants may complete a test to demonstrate IT competencies required for specific courses.

For your convenience, we now have one number to call for information on any course.

1-888-799-9921

Basic ECG Technology

The Basic ECG self-paced course is designed to give biomedical or clinical engineers and biomedical technicians a solid foundation in the theory and application of ECG technology. You will learn how the ECG measures electrical impulses generated by the heart and how ECG technology is used by healthcare professionals. Components include introduction to anatomy and physiology of the heart, basic electrocardiography, the normal ECG waveform, and supraventricular and ventricular abnormalities of the ECG waveform.



intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

customer requirements:
A computer, or computer access with CD ROM drive required to use this CD course.

Computer Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM drive
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.

product number
Tuition:
CD-1144 $100

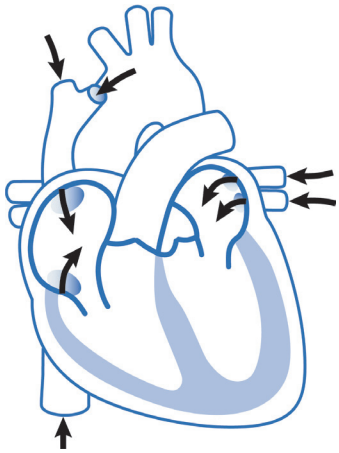
delivery method
CD

length of course
dependant on user

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

Basic Hemodynamics Technology

The Basic Hemodynamics self-paced course is designed for biomedical or clinical engineers and biomedical technicians. You will gain a solid foundation in the theory and application of hemodynamic monitoring technology. The course demonstrates how blood pressure is measured within the circulatory system and how hemodynamic monitoring technology is used by healthcare professionals. Components include structures and functions of the human heart as they relate to blood flow, the effect of pressure on blood flow, and direct and indirect (invasive and non-invasive) blood pressure monitoring.



intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers

customer requirements:

A computer, or computer access with CD ROM drive required to use this CD course.

Computer Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM drive
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.

product number

Tuition:

CD-1143	$100

delivery method

CD

length of course

dependant on user

program information

Please visit www.gehealthcare.com/training for the most current information on dates and locations.

CASE* with CS software

This course is an overview of the CASE unit with CS and peripherals, illustrating the practical skills needed to configure and troubleshoot the system. Participants are involved in basic clinical software navigation and the comprehension of software configuration and service tools on the T2100 series treadmills. Participants are shown how to configure a CASE unit to send reports to a MUSE* system, and how to integrate standalone CASE units into a network environment with CS clients and CS. The course provides a detailed explanation of the individual hardware and software components, their integration and interconnectivity with other system components. Participants learn hands-on skills in labs designed to reinforce principles reviewed in class.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

customer requirements:
Customers are required to bring a computer laptop to class. The laptop will be used to view electronic documentation and operate software service tools, which are provided during class.

Computer Laptop Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM, USB port, AC Power Cord
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.
- Local administrator access
- Ability to disable spyware and virus scan programs
- No other versions of Ghost previously installed

product number

Tuition:	
BT1068-001	$6,395
Tuition & lodging:	
BT1068-005	$7,135
Tuition, lodging & air:	
BT1068-010	$8,030*

*US Only

delivery method
classroom

length of course
4 days

pre-requisite required
GE Essentials of Healthcare IT

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MAC* 1200

Instructor-led, web-based training for biomedical engineers. Introduces features, components, software and options for the MAC 1200. Provides information needed to perform system setups, configuration, conduct diagnostic tests and replace components.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

customer requirements:

- Must be able to connect to the internet
- Phone access (preferably speaker phone)

product number
Tuition:

2020786-056	$2,875

Note: This course is offered by request only

delivery method
classroom/web

length of course
2 days

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MAC* 2000 Technical Full Service Training

The MAC 2000 Full Service Technical Online Training course is selfpaced and contains videos. It consists of the following seven topic modules: product support introduction, system overview, basic installation and setup, connectivity setup, field replaceable units, service diagnostic tools, and maintenance and troubleshooting.

course competencies:
upon successful completion of this course, the student should be able to:

- Locate Product identification and documentation in order to support the product
- Identify hardware, Firmware components and purchasable options
- Identify Hardware Interfaces and Compatibility
- Enter setup and configuration screens
- Perform Service Diagnostic Tests and Functions
- Test Communication ports, modem and LAN option
- Identify Tools needed for service
- Identify High Level FRUs
- Explain how to prepare for FRU replacement
- Follow the Service Manual instruction to replace major components
- Complete checkout procedures and periodic maintenance
- Troubleshoot common issues using system diagnostic test results and Manual references

product number
Tuition:
2020786-351 $355

delivery method
web

length of course
3 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MAC* 5000

This self-paced course introduces biomedical or clinical engineers and technicians to the features, components, software, and options for the MAC 5500 ECG system. Upon completion of the course the student will be able to perform basic system setups, conduct diagnostic tests, disassemble the unit and replace all serviceable components. An assessment test is included at the end of the course materials.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

customer requirements:
A computer, or computer access with CD ROM drive required to use this CD course.

Computer Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM drive
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.

product number
Tuition:
2020786-13 $250

delivery method
CD

length of course
dependant on user

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MAC* 5500

This self-paced course introduces biomedical or clinical engineers and technicians to the features, components, software, and options for the MAC 5500 ECG system. Upon completion of the course the student will be able to perform basic system setups, conduct diagnostic tests, disassemble the unit and replace all serviceable components. An assessment test is included at the end of the course materials.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers

customer requirements:
A computer, or computer access with CD ROM drive required to use this CD course.

Computer Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM drive
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.

product number
Tuition:
2020786-015 $400

delivery method
CD

length of course
3 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MARS* PC

The course provides an understanding of the MARS PC Server, Workstation and peripherals, illustrating the practical skills needed to configure and troubleshoot the system. Participants are involved in clinical software navigation and the comprehension of software configuration and service tools. The course provides a detailed explanation of the individual hardware and software components and their integration and interconnectivity with other system components. Participants learn hands-on skills in labs designed to reinforce principles reviewed in class.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

customer requirements:

- Must be able to connect to the internet
- Phone access (preferably speaker phone)
- Hospital IT staff

product number

Tuition:	
BT1031-100	$3,045
Tuition & lodging:	
BT1031-101	$3,415
Tuition, lodging & air:	
BT1031-102	$4,310*
*US Only	

delivery method
classroom

length of course
2 days

pre-requisite required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MARS* V8

This technical service class, for the MARS V8 system, illustrates the practical skills needed to install, configure, and troubleshoot the system. Participants are involved in basic clinical software navigation and the comprehension of software configuration and service tools. The course provides a detailed explanation of the individual hardware and software components, their integration and interconnectivity with other system components. Participants learn hands-on skills in labs designed to reinforce principles reviewed in class.

intended audience:

- Biomed personnel who install and support the MARS V8 system

customer requirements:
Customers are required to bring a computer laptop to class. The laptop will be used to view electronic documentation and operate software service tools, which are provided during class.

Computer Laptop Requirements:

- Hardware: PC based (not Mac®); Network Card
- Operating System: Microsoft Windows® 2000, XP Professional, or Windows 7 only
- Software: Adobe Reader (latest version), Internet Explorer ver. 6 or greater, latest Flash plug-ins)

EducationServices

product number

Tuition:	
2020786-230	$7,860
Tuition & lodging:	
2020786-225	$8,600
Tuition, lodging & air:	
2020786-226	$9,495*
*US Only	

delivery method
classroom

length of course
4 days (optional 5th day for Morpheus)

pre-requisite required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MUSE* 5D/5E ECG Management System

The MUSE 5D/5E technical ECG management system course provides in depth knowledge on the MUSE 5D/5E client workstation, MUSE servers and interconnectivity with MAC carts, CASE units, MARS PC and patient monitors and focusing on the Dash® monitor. This hands-on course explores the function and interconnectivity of the system and gives you the practical skills needed for system setup and troubleshooting. Whether you are a biomeåçdical engineer, IT professional or system administrator, you will benefit from hands-on labs, supported by instruction-based learning.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

customer requirements:

Customers are required to bring a computer laptop to class. The laptop will be used to view electronic documentation and operate software service tools, which are provided during class.

Computer Laptop Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM, USB port, AC Power Cord
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.
- Local administrator access
- Ability to disable spyware and virus scan programs
- No other versions of Ghost previously installed

product number

Tuition:	
BT1018C-001	$7,645
Tuition & lodging:	
BT1018C-005	$8,570
Tuition, lodging & air:	
BT1018C-010	$9,465*
*US Only	

delivery method
classroom

length of course
5 days

pre-requisite required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MUSE* 7 ECG Management System

The MUSE 7 ECG management system course provides in depth knowledge on the MUSE 7 client workstations, MUSE servers and interconnectivity with MAC carts, CASE units, MARS® PC and patient monitors, focusing on the Dash monitor. This hands-on course explores the function and interconnectivity of the system and gives you the practical skills needed for system set-up and troubleshooting, including the MUSE CV Web option. Whether you are a biomedical engineer, IT professional or system administrator, you will benefit from hands-on labs, supported by instruction-based learning.

intended audience:

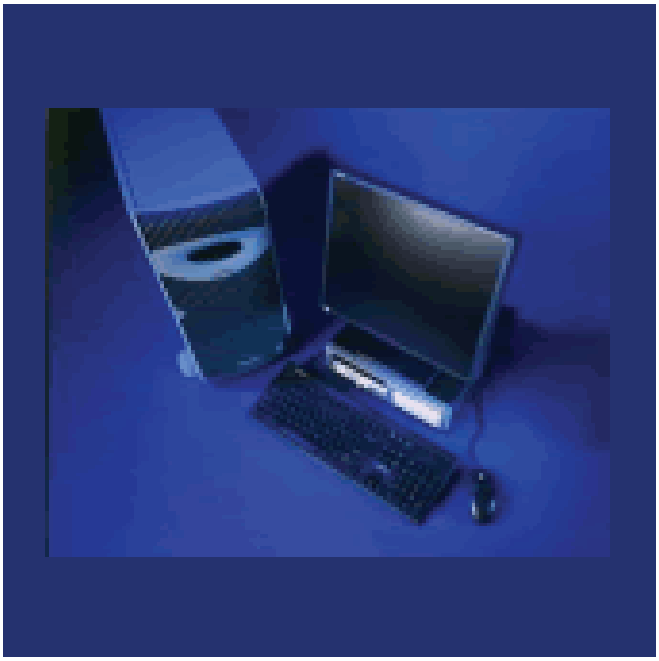
- Biomedical equipment technicians
- Biomedical and clinical engineers

customer requirements:

Customers are required to bring a computer laptop to class. The laptop will be used to view electronic documentation and operate software service tools, which are provided during class.

Computer Laptop Requirements:

- Hardware: PC based (not Mac®), Wireless Network Card, DB 9 Serial port, CD ROM, USB port, AC Power Cord
- Operating System: Microsoft Windows® 2000 or XP Professional only
- Software: Microsoft Internet Explorer ver. 5.5 or greater, Microsoft Windows Media Player® 10 or greater, Adobe Reader® (latest version), latest Adobe Flash® plug-ins, HyperTerminal or other terminal emulation program.
- Local administrator access
- Ability to disable spyware and virus scan programs
- No other versions of Ghost previously installed



product number

Tuition:	
2020786-042	$10,625
Tuition & lodging:	
2020786-043	$11,920
Tuition, lodging & air:	
2020786-044	$12,815*

*US Only

delivery method
classroom

length of course
7 days

pre-requisite required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MUSE* v8 Differences Technical Training

Course topics for the MUSE v8 Differences Training include the following: MUSE v8 requirements, MUSE v8 Client installation, interface configurations, database network backup and restore and basic troubleshooting. This course requires hands-on lab exercises in combination with the associated assessment.

equipment covered:

- MUSE Server 2008
- SQL Database Server
- MUSE Client Windows 7 Enterprise
- CSI Modem Interface
- MAC5500v10 interface

This course is live with hands-on lab exercises in combination with the associated assessments.

Customers wishing to attend this course must contact their service manager, enrollment representative, or the registration page for details.

course competencies:
upon successful completion of this course, the student should be able to:

- Identify the new features available in MUSE v8
- Locate the service documents from Common Document Library
- Identify MUSEv8, CCG Server and MUSE Web requirements
- Explain what Depth of Merge feature is
- Explain what an HL7 Batch scheduler does
- Explain how Client auto shutdown works
- Demonstrate competency in MUSE configuration changes after installation
- Demonstrate auto shutdown at the MUSE Server and view message at the client
- Identify the 3 tasks setup through the scheduler in MUSE v8
- Identify the changes to the modem setup
- Demonstrate competency in configuration of MAC5500 to perform an ADT query through MUSE interface
- Demonstrate competency in setting up CSI modem
- Demonstrate competency in XML export to a shared folder

EducationServices

product number

Tuition:	
2020786-260	$4,585
Tuition & lodging:	
2020786-261	$5,140
Tuition, lodging & air:	
2020786-262	$6,035*

*US Only

delivery method
classroom

length of course
3 days

pre-requisite required
GE Essentials of Healthcare IT or equivalent
Muse 7 ECG Management or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

MUSE* v8 Technical Service

The MUSE v8 is a five-day training course covering the history and function of the MUSE system, including MUSE client workstations, MUSE servers, MAC5000/5500 carts, Monitoring Gateway and connectivity to Case and Mars PC. The course provides a brief overview of MUSE EveryWARE, Centricity Clinical Gateway, and MUSE in a Virtual Environment. The course is designed to teach the Biomedical Technician, System Administrator, and IT Professional the practical skills needed for troubleshooting the System and performing basic setups of MUSE 8.

intended audience:

- biomedical equipment technicians
- biomedical and clinical engineers

course competencies:
upon successful completion of this course, the student should be able to:

- Describe the differences between older MUSE versions and MUSE v8
- Perform basic setup and configurations on the MUSE v8 server
- Setup and configure the MUSE v8 client workstations
- Install/reinstall MUSE v8 application on a client
- Identify and describe the purpose of MUSE v8 Windows Services
- Identify SQL 2005 database components
- Navigate SQL Server using the SQL Server Management Studio
- Configure the MAC 5000/5500 carts to send resting ECG's to the MUSE
- Perform basic troubleshooting using event logs, queues and services
- Configure and backup the MUSE file server to a network share
- Describe MUSE network connectivity and dataflow to and from other devices
- Identify the requirements for each type of device input and output device
- Setup and configure a MAC 5000 or MAC 3500/5500 to communicate with the MUSE File Server via wireless client bridge or LAN connection
- Setup and configure Patient Monitoring equipment to communicate with the MUSE file server
- Setup and configure the MUSE system to communicate with the CASE Stress equipment to receive reports.
- Setup and configure the MUSE system to communicate with the MARS file server to receive reports.
- Describe the features and function of MUSE Enterprise connectivity solutions -- MUSE Web
- Centricity Clinical Gateway, and MUSE EveryWARE
- Troubleshoot the configurations covered in the course

EducationServices

product number

Tuition:	
2054059-526	$7,585
Tuition & lodging:	
2054059-527	$8,510
Tuition, lodging & air:	
2054059-528	$9,405*

*US Only

delivery method
classroom

length of course
5 days

pre-requisite required
Basic knowledge of computer hardware and Windows Operating system
Basic knowledge of networks

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

SEER* 1000

The SEER 1000 is a general purpose ECG recorder allowing recording periods of one, two, or seven days depending on the model. This course provides information on system components and the tasks required to install and operate the SEER 1000.

course competencies:
upon successful completion of this course, the student should be able to:

- Identify key recorder components and operation
- Identify the appropriate application for PC or iPad to configure the recorder
- Troubleshoot the recorder functionality
- Use functional checks and performance tests to ensure proper operation

product number
Tuition:
2020786-384 $225

delivery method
web

length of course
5 hours

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

Essentials of Healthcare IT +

This instructor-led class is specifically designed for technical professionals responsible for the installation and support of medical devices and the networks interconnecting them. The class is taught by highly qualified technical trainers and will focus on developing the practical skills needed by a biomedical engineer to interface with networked devices in healthcare today. Extensive labs with plenty of hands-on time allows the student with no previous IT training to gain confidence in this new and exciting arena. The class will build and troubleshoot flat, switched, routed, and wireless networks. Basic computer skills are required.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

product number

Tuition:	
2030677-001	$4,250
Tuition & lodging:	
2030677-002	$5,175
Tuition, lodging & air:	
2030677-003	$6,070*
*US only	

delivery method
class

length of course
4 days

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

Bring this class to your location.
Call for pricing and details: 888-799-9921

Securing the Healthcare IT Environment +

This instructor-led class is specifically designed for technical professionals responsible for the secure transport of electronic protected health information across healthcare IT infrastructures. This class is taught by experts in the healthcare IT field and topics include: a global security overview, relevant HIPAA Title II Privacy and Security Rule information, the top 10 HCIT network attacks and ways to prevent them, strategies to mitigate risk, and securing a home network. Hands-on labs include password cracking, configuring biometric identifiers, encryption, port scanning, using network analyzers, software firewall configuration, performing an MD5 Hash, and home router configuration. Students will perform a risk analysis of medical devices using MDS2 documentation and ACCE/ECRI tools. Basic computer skills and TCP/IP network troubleshooting techniques are required.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

product number

Tuition:	
2020786-053	$5,000
Tuition & lodging:	
2020786-054	$5,925
Tuition, lodging & air:	
2020786-055	$6,820*

*US only

delivery method
class

length of course
5 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

Wireless in the Healthcare IT Environment +

This vendor-neutral class focuses on the installation, management, and troubleshooting of RF technologies in healthcare today; including WMTS, 802.11, RFID, and cellular communications. Topics include RF and antenna basics, common interference sources in healthcare, remote patient viewing using the Wireless Medical Telemetry Service (WMTS), 802.11 and access point configuration including wireless VLANs, RFID basics, cellular communications, and security requirements for wireless systems. Students receive hands-on training with network analyzers and spectrum analyzers, perform site surveys for WMTS and 802.11, and troubleshoot WMTS antenna systems.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

product number

Tuition:	
2020786-050	$5,000
Tuition & lodging:	
2020786-051	$5,925
Tuition, lodging & air:	
2020786-052	$6,820*
*US only	

delivery method
class

length of course
5 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

Essentials of HL7*

This vendor-neutral class prepares the student to configure and troubleshoot HL7. Focusing on V2.x, students will learn to use the HL7 standard as a reference source as well as vendor conformance documents to aid in interface design. Topics include the structure and encoding of common patient administration, order, results, and billing messages, as well as interface design, data mapping, and vocabulary. Common troubleshooting techniques will be discussed and class concepts will be reinforced through use of the HL7 Messaging Workbench software. This instructor-led course is open to anyone wanting a more in-depth insight into HL7, regardless of equipment choice in the healthcare environment.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Any professional who supports the field of medical technology

product number

Tuition:	
2020786-167	$2,350
Tuition & lodging:	
2020786-168	$2,905
Tuition, lodging & air:	
2020786-169	$3,800*
*US only	

delivery method
class

length of course
3 days

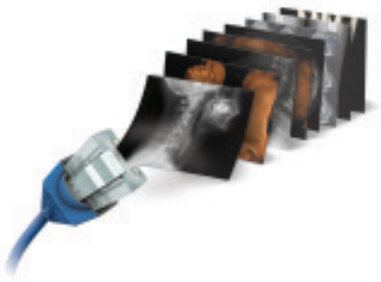
program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

Essentials of DICOM*

This instructor-led course prepares the participant to become proficient in the installation, maintenance and troubleshooting of DICOM on digital imaging networks. Participants will learn to use the DICOM standard as a reference source, analyze conformance statements for predicting connectivity, configure and use DICOM simulators, and capture and analyze DICOM traffic using freeware tools like the DICOM Validation Toolkit.

intended audience:

- Biomedical equipment technicians
- Biomedical and clinical engineers
- Biomedical and clinical engineering managers
- Medical technology managers
- Hospital IT staff
- Radiologists
- Any professional who supports the field of medical technology



product number

Tuition:	
2020786-126	$3,500
Tuition & lodging:	
2020786-127	$4,055
Tuition, lodging & air:	
2020786-128	$4,950*

*US only

delivery method
class

length of course
3 days

IT skills required
GE Essentials of Healthcare IT or equivalent

program information
Please visit www.gehealthcare.com/training for the most current information on dates and locations.

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Waukesha, WI 53186
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www.gehealthcare.com

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